

# Physics 2210, Spring 2008

Readings from Halliday, et al.

	Monday	Tuesday	Wednesday	Thursday	Friday
January	7 Overview; Measurement Chapter 1	8 Velocity in One Dimension 2.1 - 2.5	9 Acceleration in 1D 2.6	10 Constant Acceleration 2.7 - 2.10	11 Problem Set and Quiz #1
	14 Vectors 3.1 - 3.4	15 More about Vectors 3.5 - 3.7	16 Velocity and Accel. Vectors 4.1 - 4.4	17 Problem Set and Quiz #2	18 Projectile Motion 4.5 - 4.6
	21 M. L. King Day	22 Uniform Circular Motion 4.7 - 4.9	23 Newton's First Law 5.1 - 5.3	24 Problem Set and Quiz #3	25 Newton's Second Law 5.4 - 5.6
	28 <b>Test</b> (problem sets 1-3)	29 Types of Forces 5.7, 6.1 - 6.3	30 Force Diagrams 5.9	31 Problem Set and Quiz #4	1 Constrained Motion Problems 5.9
February	4 Circularly Constrained Motion 6.5	5 Newton's Third Law 5.8	6 Problem Set and Quiz #5	7 Third Law Problems 5.9	8 Systems of Particles 9.1 - 9.3
	11 Momentum 9.4 - 9.7	12 Collisions 9.8 - 9.11	13 Problem Set and Quiz #6	14 Kinetic and Grav'l Energy 7.1 - 7.3, 8.1 - 8.4	15 <b>Test</b> (problem sets 4-6)
	18 Presidents Day	19 Elastic Energy 8.4 - 8.5	20 Energy Diagrams 8.6	21 Problem Set and Quiz #7	22 Work 7.4 - 7.8
	25 More about Work 8.7	26 The Many Forms of Energy 7.9, 8.8	27 Problem Set and Quiz #8	28 Rotational Kinematics 10.1 - 10.5	29 Rotational Dynamics 10.6 - 10.10, 11.1 - 11.6
March	3 Angular Momentum 11.7 - 11.11, ch. 12	4 Problem Set and Quiz #9	5 Gravitation 13.1 - 13.5	6 <b>Test</b> (problem sets 7 - 9)	7 The Coper- nican Revolution 13.7
	10	11	12 Spring Break	13	14
	17 Gravitational Energy 13.6 - 13.8	18 Fluid Statics 14.1 - 14.7	19 Problem Set and Quiz #10	20 Fluid Dynamics 14.8 - 14.10	21 Oscillations chapter 15
	24 Describing Waves 16.1 - 16.3	25 Sinusoidal Waves 16.4 - 16.5	26 Problem Set and Quiz #11	27 Wave Dynamics 16.6 - 16.7	28 Standing Waves 16.9 - 16.13
	31 Sound Waves 17.1 - 17.4	1 Interference 17.5 - 17.9	2 Problem Set and Quiz #12	3 Temperature 18.1 - 18.5	4 <b>Test</b> (problem sets 10 - 12)
April	7 Solids, Liquids, and Gases (computer simulation)	8 The Ideal Gas Law 19.1 - 19.3	9 Compression Work 18.9	10 Problem Set and Quiz #13	11 Heat 18.10 - 18.12
	14 Specific Heat 18.7 - 18.8	15 Molecular Collisions 19.4 - 19.5	16 Equipartition of Energy 19.8 - 19.11	17 Problem Set and Quiz #14	18 Entropy 20.8
	21 Entropy and Heat 20.1 - 20.4	22 Engines and Refrigerators 20.5	23 Limits on Efficiency 20.6 - 20.7	24 Problem Set and Quiz #15	25 Review for Final Exam

Final Exam: Wednesday, April 30, noon - 2:00 p.m.